

OVICIDAL EFFECT WUDANI LEAF EXTRACT AGAINST EGGS FASCIOLA GIGANTICA WORM BY IN-VITRO

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ABSTRACT

Bali cattle is a source of meat that have high economic value. One endoparasite disease that attacks cattle and very detrimental to farmers is Fascioliosis caused by *Fasciola gigantica* worm. This study aims to determine the ovicidal effect of the extract of wudani leaf against *Fasciola gigantica* worm eggs *in-vitro* and determine the effective dose of it. This study used a completely randomized design (CRD) consist of 4 treatments, each treatment consisted of 5 replicates so that the number of samples are 20 observations. Obtained data were tested with Analyze of Variant followed by Duncan's Multiple Range Test. The results of the study at day 10 indicated the ovicidal effect wudani leaf extract to doses 0,24mL / 40 NaCl physiological and dose 0,48mL / 40 physiological NaCl was higher than the dose 0,12mL / 40 Physiological NaCl ($P < 0,01$) but the dose 0,24mL / 40mL physiological NaCl and 0,48mL / 40mL physiological NaCl was not significantly different ($P > 0.01$), while the results at day 30 showed a significant result that the dose 0,48mL / 40mL physiological NaCl was higher than the dose 0,24mL / 40mL physiological NaCl, the dose 0,12mL / 40mL physiological NaCl and control ($P < 0.01$).

Key Word: *Fasciola gigantica*; Ovicidal; Wudani leaf extract; Bali cattle

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